Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Currently Amended) A method for booting a subsystem, comprising:

retrieving a subsystem boot indicator;

transferring information to the subsystem based on the subsystem boot indicator; and

transferring the information to the subsystem is performed without involvement of a main system operating system, the main system including the subsystem and the operating system.

2. (Original) The method according to claim 1, wherein the subsystem boot indicator is located in a non-volatile storage device.

3. (Original) The method according to claim 2, wherein the non-volatile storage device is located within the subsystem.

4. (Canceled)

Appl. No. 09/675,977
Amendment Dated: 10/07/04

5. (Previously Presented) The method according to claim 1, wherein transferring information to the subsystem is performed over a bus whose width is less than that of the main system.

6. (Previously Presented) The method according to claim 1, wherein transferring information to the subsystem is performed over a communication link whose bandwidth is less than that of the main system.

7. (Original) The method according to claim 1, wherein transferring information to the subsystem is transferring information to a memory accessible by the subsystem.

8. (Currently Amended) A method comprising:

    starting a boot up of a system, the system including a subsystem and a main operating system;

    retrieving a boot indicator;

    transferring information inaccessible to the~~a~~ subsystem to a location accessible by the subsystem based upon the boot indicator; and

    shutting down the system before the~~a~~ main operating system for the system has substantially started executing.

9. (Canceled)

10. (Original) The method according to claim 8, wherein shutting down the system does not shut down the subsystem.

11. (Original) The method according to claim 8, wherein the location is a memory location.

12. (Currently Amended) A machine-readable medium having stored thereon instructions, which when executed by a processor, causes said processor to perform the following:

retrieve a subsystem boot indicator;

transfer information to a subsystem based on the subsystem boot indicator; and

transfer the information to the subsystem is performed without involvement of a main system operating system, the main system including the subsystem and the operating system.

13. (Original) The machine-readable medium according to claim 12, wherein transferring the information to a subsystem comprises transferring the information to a storage accessible by the subsystem.

14. (Original) The machine-readable medium according to claim 12, wherein retrieving the subsystem boot indicator is retrieving the subsystem boot indicator from a non-volatile storage device.

15-23. (Canceled)

24. (Currently Amended) An apparatus for booting a subsystem, comprising:

    means for retrieving a subsystem boot indicator;

    means for determining from the retrieved subsystem boot indicator whether to perform a boot; and

    means for performing a requested boot without involvement of a main system operating system, the main system including the subsystem and the operating system.

25. (Original) The apparatus of claim 24, wherein means for performing a requested boot comprises:

    means for allowing a subsystem access to a main system storage;

    means for retrieving information from the main system storage;

    means for transferring the retrieved information to the subsystem;

means for storing the transferred information in a location accessible by the subsystem; and

means for booting the subsystem from the stored information in the location accessible by the subsystem.

26. (Original) The apparatus of claim 24, wherein means for performing a requested boot comprises:

means for allowing a main system access to a main system storage;

means for retrieving information from the main system storage;

means for transferring the retrieved information to the subsystem;

means for storing the transferred information in a location accessible by the subsystem; and

means for booting the subsystem from the stored information in the location accessible by the subsystem.

27. (Currently Amended) A computer based system comprising:

a main system with a first storage device, the main system ~~capable of running~~including a main operating system;

a subsystem with a second storage device of the main system;

a subsystem boot indicator; and

a boot up controller to access the subsystem boot indicator and initiate a booting of the subsystem based upon the subsystem boot indicator, wherein the booting of the subsystem includes retrieving information from the first storage device and transferring the retrieved information to the second storage device, wherein the retrieving and transferring are to be performed substantially by a main system resource without the use of the main operating system.

28. (Canceled)

29. (Canceled)

30. (Original) The computer based system according to claim 28, wherein means for retrieving information and means for transferring the retrieved information is substantially performed by a subsystem resource.